

CHESTER COUNTY HIGH SCHOOL

Course Syllabus

Course : Computer Science Foundations



Instructor: Kimberly Moore

Contact Info:

Phone Number: 989-8125

Email: kimberly.moore@chestercountyschools.org

Course Resources:

Earbuds for audio

Composition Book or Electronic Journal (Google Docs)

Course Description:

Course Description Computer Science Foundations (CSF) is a course intended to provide students with exposure to various information technology occupations and pathways such as Networking Systems, Coding, Web Design, and Cybersecurity. As a result, students will complete all core standards, as well as standards in two of four focus areas. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Upon completion of the CSF course, students will be prepared to make an informed decision about which Information Technology program of study to pursue.

	COURSE STANDARDS TOPICS
<p>Goal: <i>To provide an environment where students can prepare for work related web design skills for advancement into postsecondary education and industry.</i></p>	<p><u>Trimester 1</u> Safety Electronics and Basic Digital Theory Career Exploration Overview of the Internet Overview of Operating Systems Terminology and Concepts Keyboard Shortcuts</p> <p><u>Trimester 2</u> Introduction to Logical Thought Process Teamwork & Project Management Client Relations Writing and Editing for Web Publication Social, Legal, and Ethical Issues Cybersecurity Organization of Materials Programming</p>
<p>Grading Policy:</p>	<p>Great Start Research - Lead Discussion Groups Critical Thinking Prompts 10% Tests 30% Application Projects 60%</p>
<p>Attendance Policy:</p>	<p>In order to be successful in this class, students must constantly engage with other, team pairing is essential to growth as well as completing assignments, and projects. If assignments turned in late due to an EXCUSED absence, they must be turned within five days of absence. Failure to meet the school designated time limit will result in a zero. Assignments missed as a result of an excused absence will, result in a zero.</p>

<p>Plagiarism/ Academic Dishonesty Policy:</p>	<ul style="list-style-type: none"> ● Plagiarism and academic dishonesty are serious offenses. The academic work of student is expected to his/her own effort. Students must give author(s) credit for any source material used. ● Students must not copy another student's work electronically and presented as their own. A grade of Zero will be given and will be reported to the administration.
<p>Writing Component:</p>	<p>Students will utilize their writing and communication skills daily by completing "Great Start" articles, writing portfolio pieces open responses to "essential questions". Other writing components will be embedded into project designs.</p> <p>* Participation grades will be taken as student reflections and sharing are a necessary component of gauging learned practices and sharing knowledge that lead to great discussions and "Big Ideas" which are essential to the "discovery concept" that surrounds the exciting field of computer science.</p>

GENERAL CLASSROOM RULES:

- Be Prompt
- Be Prepared
- Be Respectful
- Absolutely No Alterations Made to the computer Settings
- Absolutely NO Gum, Food, Candy or drinks are allowed into the Computer Lab

GENERAL PROCEDURES:

- Be on time and in assigned seat when the tardy bell rings
- Abide by the Acceptable Use Policy and Media Policy as outlined in the county wide contract

GENERAL CONSEQUENCES:

- Verbal warning
- Teacher/Student Conference
- Parent Contact
- Office Referral

***Breaching A.U.P. / Media Policy are automatic office referrals as well as severe acts of violent actions.**